

Legend: Task Receives Resource

Task Requests Resource That Is Unavailable

FIG. 1

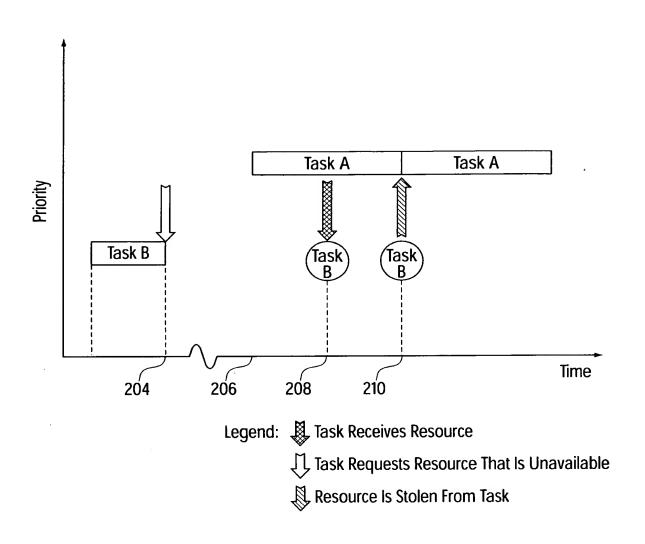
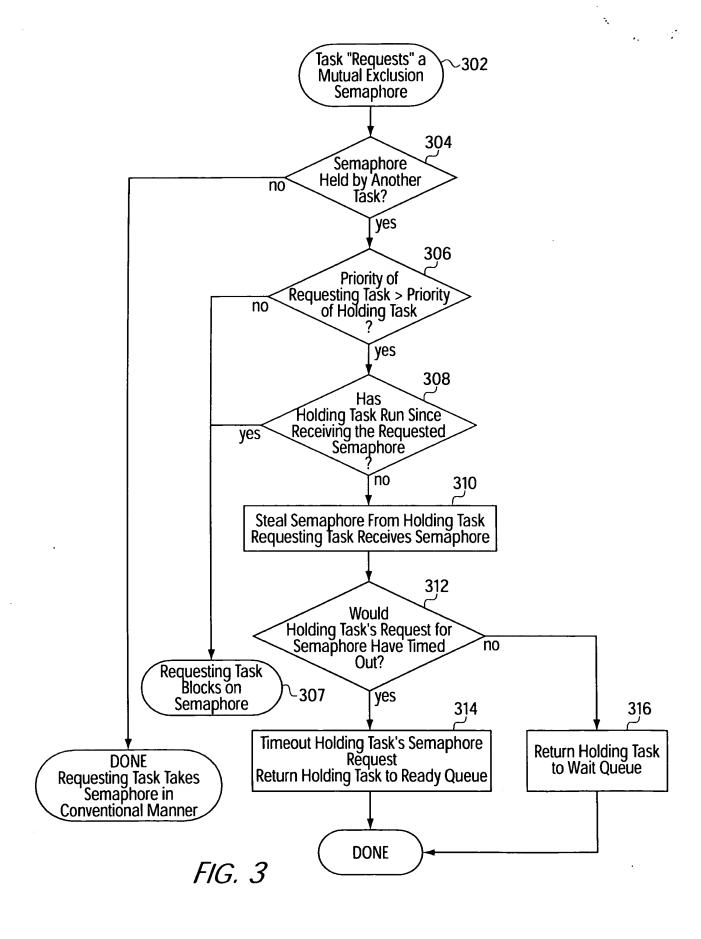
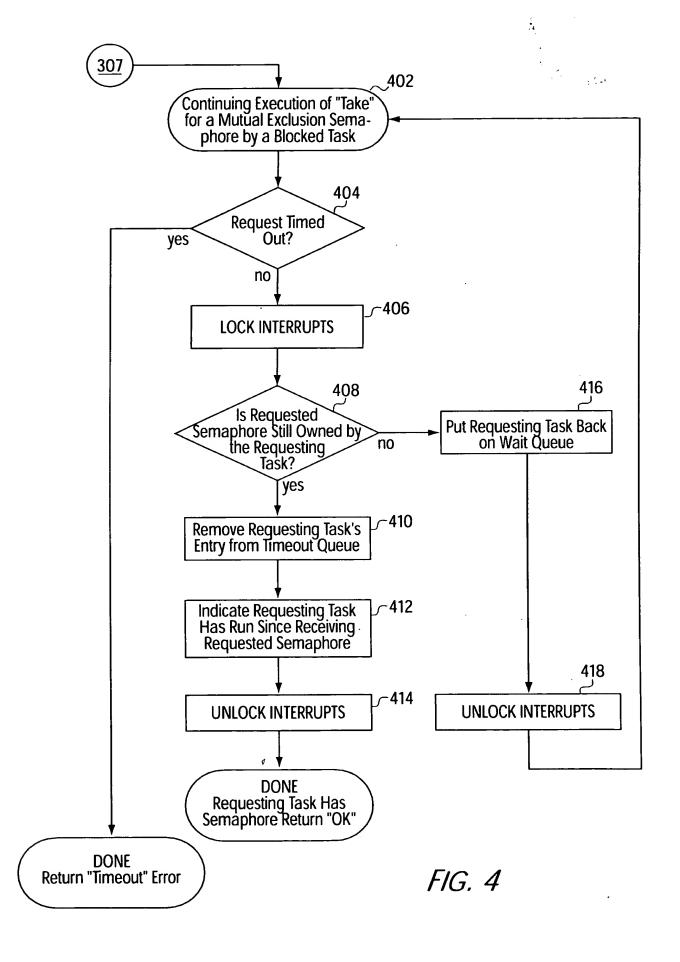


FIG. 2





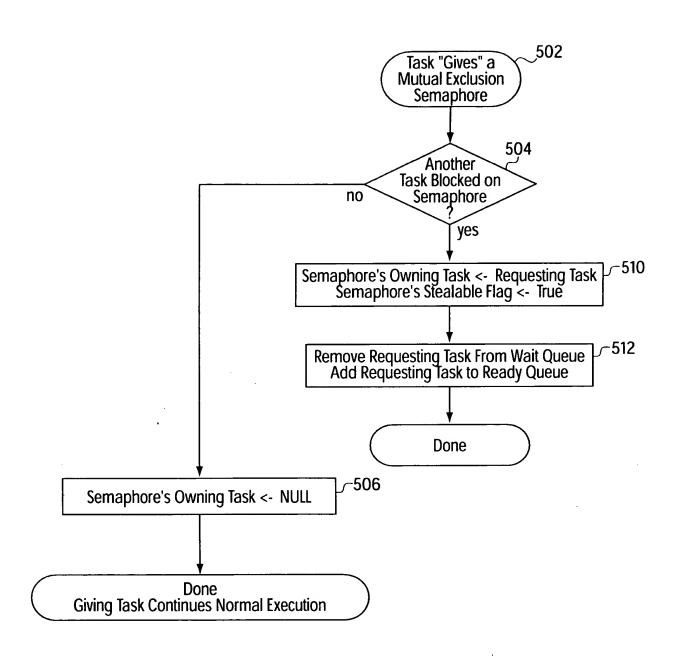


FIG. 5

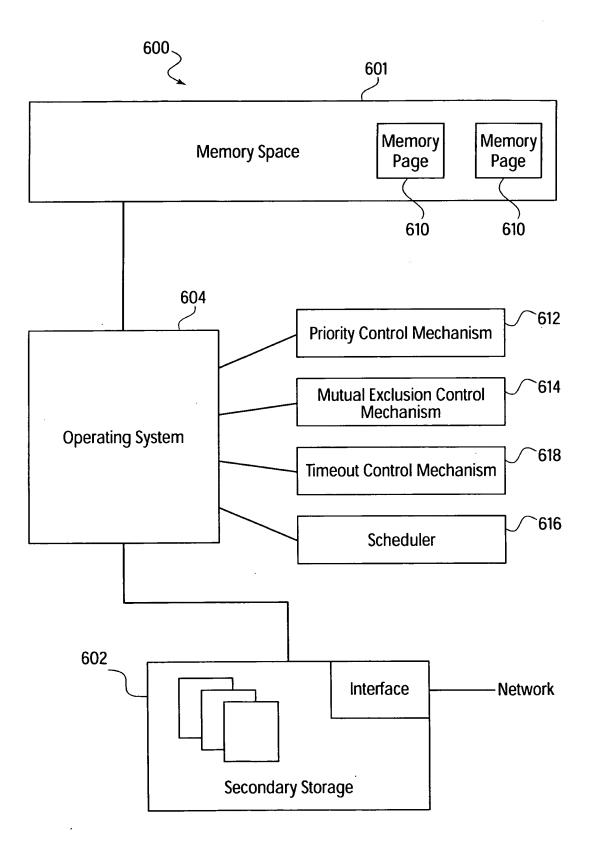
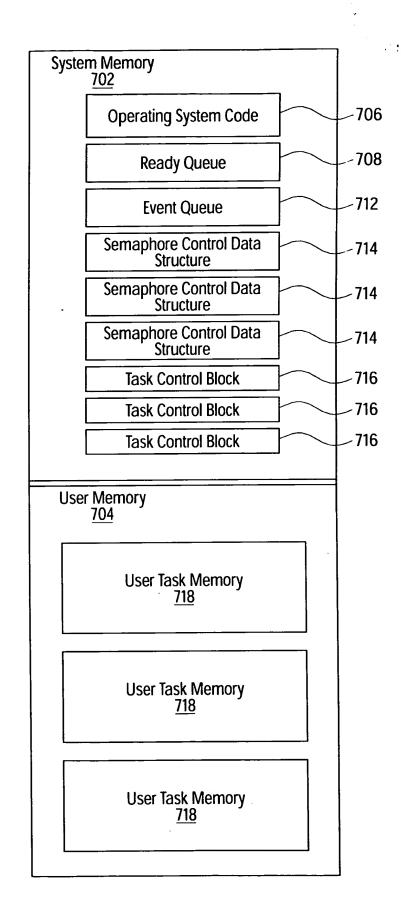
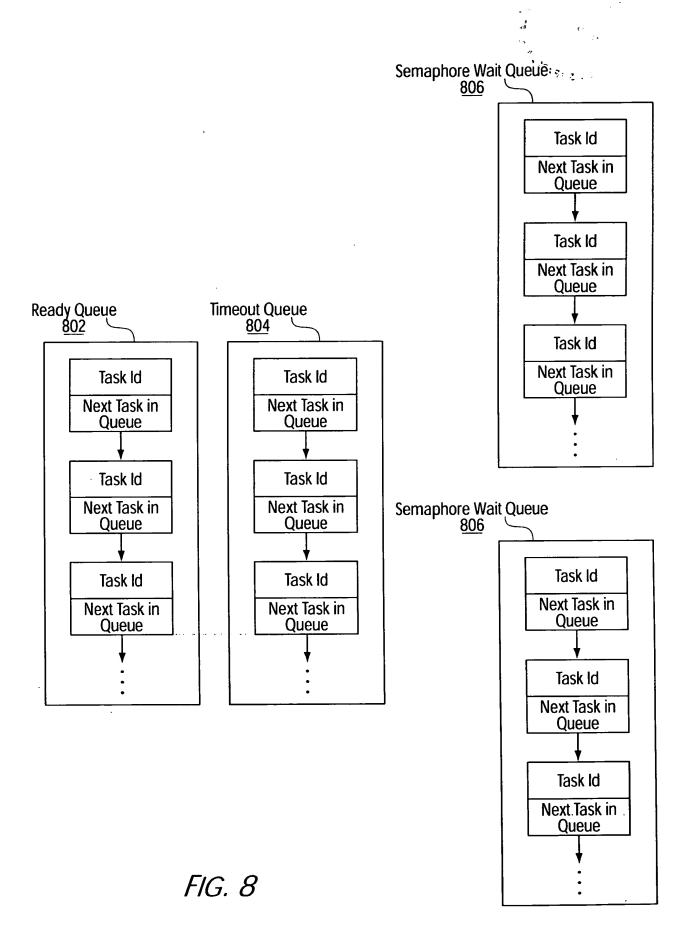


FIG. 6



Memory Space 601

FIG. 7



		·——	1002	1004	9001	1008	1010	п	7	<i>b.</i>
			Owning Task	Semaphore Type	Recursion Count	Stealable Flag	Wait Queue Head Pointer	• •		FIG. 10
1001										
<i></i>	905	904	906	806	910	912	914	916	918	· · · · · · · · · · · · · · · · · · ·
	Current Priority	Task State	Semaphore Blocked On	Memory Pointer	Ready/Wait Queue Pointer	Ready/Wait Queue Back Pointer	Timeout Queue Pointer	Timeout Queue Back Pointer	Timeout Limit	

FIG. 9

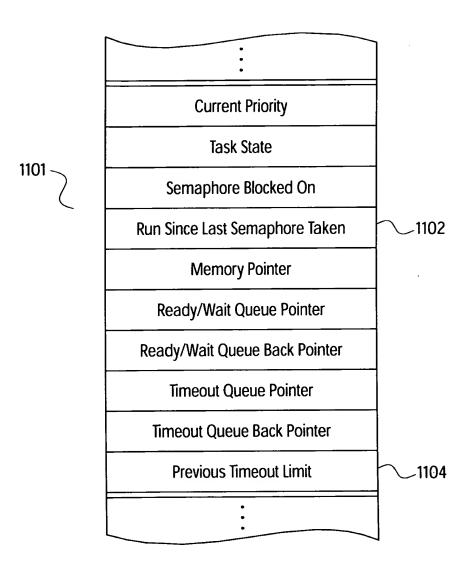


FIG. 11